

Table V-2. Suisun Marsh Scenarios Evaluation Matrix -- 100-Foot Breaches
Mean, Minimum, and Maximum Percent Change from Base on July 29, 1992 1/

Scenario		Morrow Is SWH	Grizzly Is SWH	Simmons Is SWH	Wheeler Is SWH	Chipps Is SWH	Van Sickle Is SWH
Percent Salinity Change from Base (Mean, Min, Max) 2/	Suisun Bay	0.5 (-0.1,1.8)	0.1 (-0.9,1.8)	0.6 (-0.2,1.3)	1.0 (-0.2,3.4)	0.7 (-0.3,3.2)	-2.1 (-15.9,7.0)
	Western Marsh	0.7 (-3.9,6.7)	0.1 (-5.4,6.4)	-0.2 (-3.3,4.7)	0.2 (-1.0,0.9)	0.3 (0.0,1.1)	-16.9 (-19.4,-13.7)
	Eastern Marsh	-4.2 (-6.2,-1.7)	-5.4 (-8.0,-2.2)	-1.9 (-4.5,0.6)	1.7 (-1.1,3.9)	2.4 (0.2,4.6)	-13.3 (-24.5,3.1)
	West Delta	-1.6 (-3.8,0.5)	-2.9 (-5.5,0.0)	-0.7 (-3.2,0.8)	1.4 (-0.5,2.8)	3.0 (0.7,3.7)	11.0 (3.2,15.5)
	North Delta	-2.6 (-7.3,0.0)	-3.5 (-9.5,0.0)	-2.7 (-8.1,0.0)	-1.7 (-5.7,0.0)	0.2 (-1.0,2.3)	-3.0 (-13.4,4.9)
	South Delta	-4.4 (-6.6,1.3)	-5.8 (-8.6,1.3)	-4.3 (-6.6,1.3)	-2.6 (-4.7,1.0)	0.4 (-0.7,3.1)	-2.9 (-6.8,2.0)
X2 Difference From Base (km) 3/		0.69	0.75	0.73	0.62	0.33	0.13
X2 Standard Differences (days) 4/		0/-1/-1	0/-1/-1	0/-1/-1	0/-1/-1	0/-1/0	-2/-1/0
Tidal Range Difference		-0.59	-0.65	-0.55	-0.46	-0.21	-2.21

Scenario		Western Option TM	Northwest Option TM	Central Option TM	Northeast Option TM
Percent Salinity Change from Base (Mean, Min, Max) 2/	Suisun Bay	-0.9 (-1.9,-0.1)	-0.9 (-2.1,-0.1)	-0.9 (-2.2,0.0)	-1.0 (-1.8,0.1)
	Western Marsh	4.5 (1.3,10.4)	10.7 (2.5,21.4)	10.1 (2.5,20.1)	-1.4 (-6.0,4.4)
	Eastern Marsh	-0.7 (-9.0,5.7)	2.0 (-8.4,9.6)	2.1 (-8.3,9.5)	-11.0 (-28.5,6.4)
	West Delta	-3.9 (-5.5,-1.4)	-4.6 (-6.7,-1.6)	-4.7 (-6.7,-1.6)	-2.9 (-5.5,-1.4)
	North Delta	-2.8 (-7.6,0.0)	-3.3 (-8.8,0.0)	-3.3 (-8.8,0.0)	-3.2 (-9.1,0.0)
	South Delta	-5.2 (-7.5,0.7)	-6.1 (-8.7,0.7)	-6.1 (-8.8,0.7)	-6.5 (-9.4,0.7)
X2 Difference From Base (km) 3/		-0.33	-0.2	-.058	-0.74
X2 Standard Differences (days) 4/		0/0/3	0/0/3	0/0/3	0/0/5
Tidal Range Difference		-0.6	-0.78	-0.78	-1.74

1/ Based on DWRDSM1 Suisun Marsh Version

2/ Mean, minimum, and maximum salinity change for the indicated region by the indicated levee breach scenario.

3/ Average X2 (February through May 1992): scenario minus base condition in kilometers.

4/ Number of days X2 is downstream of Port Chicago, Chipps Island, and Collinsville: scenario minus base condition in days.